

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims

1. (Currently Amended) A virtual multi-channel speaker unit, comprising:
a casing having a transmission portion through which sounds pass;
a solenoid coil arranged in the casing and applied with acoustic signals;
a magnetic body around which the solenoid coil is wound to form magnetic field;

a diaphragm (20) that faces one side of the magnetic body and vibrates to transmit sound waves through the transmission portion; [[and]]

a barrier separating the diaphragm (20) from a backside of the casing; and

a transmission conduit (10) formed by the barrier and the backside of the casing, the transmission conduit having an inlet hole (10a) through which sound waves and compressed air generated behind the diaphragm upon the vibration of the diaphragm are introduced, and an outlet hole (10b) for discharging the sound waves and compressed air introduced through the inlet hole, the inlet hole being connected to a portion of the backside of the casing, the outlet hole being oriented toward the front of the diaphragm.

2. (Currently Amended) [[The]] A virtual multi-channel speaker unit as claimed in claim 1, comprising:

a casing having a transmission portion through which sounds pass;

a solenoid coil arranged in the casing and applied with acoustic signals;

a magnetic body around which the solenoid coil is wound to form magnetic field;

a diaphragm (20) that faces one side of the magnetic body and vibrates to transmit sound waves through the transmission portion; and

a transmission conduit (10) having an inlet hole (10a) through which sound waves and compressed air generated behind the diaphragm upon the vibration of the diaphragm are introduced, and an outlet hole (10b) for discharging the sound waves and

compressed air introduced through the inlet hole, the inlet hole being connected to a portion of the backside of the casing, the outlet hole being oriented toward the front of the diaphragm,

wherein the transmission conduit (10) is constructed in a manner that a sound absorbent (11) is formed at all passages through which sounds are transmitted in the transmission conduit in order to prevent a specific sound from being amplified in the transmission conduit (10).

3. (Currently Amended) ~~[[The]]~~ A virtual multi-channel speaker unit as ~~claimed in claim 1,~~ comprising:

a casing having a transmission portion through which sounds pass;

a solenoid coil arranged in the casing and applied with acoustic signals;

a magnetic body around which the solenoid coil is wound to form magnetic field;

a diaphragm (20) that faces one side of the magnetic body and vibrates to transmit sound waves through the transmission portion; and

a transmission conduit (10) having an inlet hole (10a) through which sound waves and compressed air generated behind the diaphragm upon the vibration of the diaphragm are introduced, and an outlet hole (10b) for discharging the sound waves and compressed air introduced through the inlet hole, the inlet hole being connected to a portion of the backside of the casing, the outlet hole being oriented toward the front of the diaphragm,

wherein the transmission conduit (10) is composed of multiple conduits (10') formed in a bundle of at least one to ten conduits each having a small diameter.

4. (Currently Amended) The virtual multi-channel speaker unit as claimed in claim 3, wherein ~~the transmission conduit 10 composed of the multiple conduits 10' is constructed in such a manner that~~ outlet holes (10'b1, 10'b2 and 10'b3) of the multiple conduits are separately formed at the top, right and left sides of the speaker unit.

5. (Original) The virtual multi-channel speaker unit as claimed in claim 3, wherein the multiple conduits (10') have different distances or lengths from their inlet holes

to the outlet holes.

6. (Original) The virtual multi-channel speaker unit as claimed in claim 1, wherein the transmission conduit (10) of the speaker unit has any one of a semi-circular shape, oval shape and trumpet shape.

7. (Original) The virtual multi-channel speaker unit as claimed in claim 1, further comprising a front transmission conduit having an inlet hole through which sounds generated in front of the diaphragm (20) of the speaker are introduced into the front transmission conduit and an outlet hole for discharging the introduced sounds, the inlet hole being placed in front of the diaphragm, the outlet hole being oriented toward the front of the speaker, whereby combination of the front transmission conduit and the transmission conduit (10) creates a multi-channel effect.